

## WEST Search History

DATE: Thursday, April 10, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set

*DB=USPT; PLUR=YES; OP=OR*

L5	L4 and secre\$6 adj6 mammal\$6	46	L5
L4	L3 and RNA adj6 splice	362	L4
L3	L2 and chimer\$6	6595	L3
L2	L1 and fus\$6 adj6 protein	11433	L2
L1	bacteriophage or phage or M13	26236	L1

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 13:06:14 ON 10 APR 2003)

FILE 'CA' ENTERED AT 13:06:23 ON 10 APR 2003

L1 115862 S VECTOR  
L2 4515 S L1 AND (PHAGE OR BACTERIOPHAGE OR M13)  
L3 102 S L2 AND CHIME? (4W) GENE  
L4 75 S L3 AND FUS?  
L5 0 S L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC  
L6 0 S L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC?  
L7 4 S L4 AND (EUKARYOTIC OR MAMMAL?) (5W) CELL

FILE 'MEDLINE' ENTERED AT 13:11:01 ON 10 APR 2003

L8	47036	S	L1
L9	2512	S	L2
L10	10	S	L3
L11	4	S	L4
L12	0	S	L5
L13	0	S	L6
L14	0	S	L7
L15	47036	S	L8

FILE 'BIOSIS' ENTERED AT 13:12:12 ON 10 APR 2003

L16	109989	S	L1
L17	3357	S	L2
L18	9	S	L3
L19	5	S	L4
L20	0	S	L5

STN INTERNATIONAL LOGOFF AT 13:12:55 ON 10 APR 2003

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
                  saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter (PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
                  now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search fields  
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002  
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 32 Nov 25 More calculated properties added to REGISTRY  
NEWS 33 Dec 02 TIBKAT will be removed from STN  
NEWS 34 Dec 04 CSA files on STN  
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 36 Dec 17 TOXCENTER enhanced with additional content  
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 38 Dec 30 ISMEC no longer available  
NEWS 39 Jan 21 NUTRACEUT offering one free connect hour in February 2003  
NEWS 40 Jan 21 PHARMAML offering one free connect hour in February 2003  
NEWS 41 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
                  ENERGY, INSPEC  
NEWS 42 Feb 13 CANCERLIT is no longer being updated  
NEWS 43 Feb 24 METADEX enhancements  
NEWS 44 Feb 24 PCTGEN now available on STN  
NEWS 45 Feb 24 TEMA now available on STN  
NEWS 46 Feb 26 NTIS now allows simultaneous left and right truncation

NEWS 47 Feb 26 PCTFULL now contains images  
NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003  
NEWS 50 Mar 20 EVENTLINE will be removed from STN  
NEWS 51 Mar 24 PATDPAFULL now available on STN  
NEWS 52 Mar 24 Additional information for trade-named substances without structures available in REGISTRY  
NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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FILE 'CA' ENTERED AT 13:06:23 ON 10 APR 2003  
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FILE COVERS 1907 - 3 Apr 2003 VOL 138 ISS 15  
FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S VECTOR  
L1 115862 VECTOR

=> s 11 and (phage or bacteriophage or M13)  
41047 PHAGE  
27325 BACTERIOPHAGE

L2 3814 M13  
4515 L1 AND (PHAGE OR BACTERIOPHAGE OR M13)

=> s 12 and chime? (4w) gene  
37755 CHIME?  
741373 GENE  
7746 CHIME? (4W) GENE  
L3 102 L2 AND CHIME? (4W) GENE

=> s 13 and fus?  
351480 FUS?  
L4 75 L3 AND FUS?

=> s 14 and (eukaryotic or mammal?) (5w) sec  
32068 EUKARYOTIC  
201880 MAMMAL?  
192197 SEC  
L5 18 (EUKARYOTIC OR MAMMAL?) (5W) SEC  
0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC

=> s 14 and (eukaryotic or mammal?) (5w) sec?  
32068 EUKARYOTIC  
201880 MAMMAL?  
1588781 SEC?  
1922 (EUKARYOTIC OR MAMMAL?) (5W) SEC?  
L6 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC?

=> s 14 and (eukaryotic or mammal?) (5w) cell  
32068 EUKARYOTIC  
201880 MAMMAL?  
1582164 CELL  
15699 (EUKARYOTIC OR MAMMAL?) (5W) CELL  
L7 4 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) CELL

=> d 17 1-4 ti au so py ab

L7 ANSWER 1 OF 4 CA COPYRIGHT 2003 ACS  
TI Receptor-mediated gene delivery using **bacteriophage** vectors  
IN Larocca, David; Baird, Andrew; Johnson, Wendy  
SO U.S., 47 pp., Cont.-in-part of Appl. No. PCT/US98/17950.  
CODEN: USXXAM  
PY 2002  
2000  
1999  
1999

AB The invention provides a method of gene delivery, comprising: contacting a **mammalian cell** with **filamentous phage** particles presenting a ligand on their surfaces, wherein a **vector** within the **phage** encodes a gene product under control of a promoter. Filamentous **phage** particles displaying a ligand on their surface are used to deliver a therapeutic gene to a cell. The ligand is FGF-2 or antibody for FGF-2 receptor. The ligand is fused with a **phage** capsid protein, covalently conjugated to **phage** particles, or complexed with modified **phage** particles. The therapeutic gene product is selected from the group consisting of protein, ribozyme, and antisense oligonucleotide, and in other embodiments the therapeutic gene product is a cytotoxic agent (e.g., ribosome inactivating protein, such as sapronin) or is an antibody that binds to HER2/neu.

L7 ANSWER 2 OF 4 CA COPYRIGHT 2003 ACS  
TI Ablating adenovirus type 5 fiber-CAR binding and HI loop insertion of the SIGYPLP peptide generate an endothelial cell-selective adenovirus  
AU Nicklin, Stuart A.; Von Seggern, Dan J.; Work, Lorraine M.; Pek, Don C. K.; Dominiczak, Anna F.; Nemerow, Glen R.; Baker, Andrew H.

SO Molecular Therapy (2001), 4(6), 534-542  
CODEN: MTOHCK; ISSN: 1525-0016  
PY 2001  
AB Adenovirus type 5 (Ad) based vectors transduce vascular endothelial cells (EC) and have been widely used for vascular gene transfer. However, many cell types express the Ad receptor (coxsackievirus adenovirus receptor; CAR), preventing selective EC infection and precluding clin. use. The authors previously isolated the human EC-binding peptides SIGYPLP and LSNFHSS by **phage** display and demonstrated by means of a bispecific antibody that SIGYPLP directs efficient, high-level, EC-selective Ad-mediated gene transfer. The authors now generate genetically modified Ad fiber proteins with selective EC tropism by engineering these peptides into the HI loop of the Ad fiber. SIGYPLP, but not LSNFHSS, enhanced EC selectivity, demonstrating maintenance of peptide-cell binding fidelity upon incorporation into virions. Combining fiber mutations that block CAR binding (detargeting) with SIGYPLP insertion (retargeting) generated a novel Ad **vector**, AdKO1SIG, in a single component system. AdKO1SIG demonstrated efficient and selective tropism for EC compared with control Ad vectors. This is the first demonstration of genetic incorporation of a novel, **mammalian**, **cell-selective** ligand that retains its targeting fidelity in the Ad fiber HI loop, in combination with point mutations that abolish fiber-CAR interaction. This study demonstrates the potential for improving the cell-selectivity and safety of adenoviral vectors. (c) 2001 Academic Press.

L7 ANSWER 3 OF 4 CA COPYRIGHT 2003 ACS  
TI Methods of performing gene trapping in bacterial and **bacteriophage**-derived artificial chromosomes and use thereof  
IN Heintz, Nathaniel; Jiang, Weining; Yang, Xiangdong W.  
SO U.S., 22 pp., Cont.-in-part of U.S. Ser. No. 880,966.  
CODEN: USXXAM  
PY 2000  
2000  
2000  
2002  
AB A method of efficiently sequencing multiple exons from complex genomic DNAs is disclosed. The method sequences a portion of a eukaryotic gene that minimally contains one exon which has a 3' splice site, i.e., any exon other than the first exon. The methodol. includes the use of bacterial and **bacteriophage**-derived artificial chromosomes (BBPACs) in novel gene trapping protocols. Targeted gene trapping by homologous recombination, and random gene trapping with the use of a transposon system are exemplified. Included in the invention are methods of prep. a gene map from BBPAC contigs, the resulting gene maps, methods of constructing a cDNA library from BBPAC contigs, and the resulting cDNA libraries.

L7 ANSWER 4 OF 4 CA COPYRIGHT 2003 ACS  
TI Methods of performing gene trapping in bacterial and **bacteriophage**-derived artificial chromosomes and use thereof  
IN Heintz, Nathaniel; Jiang, Weining; Yang, Xiangdong W.  
SO U.S., 22 pp., Cont.-in-part of U.S. Ser. No. 880,966.  
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PY 2000  
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AB A method of efficiently sequencing multiple exons from complex genomic DNAs is disclosed. The methodol. includes the use of bacterial and **bacteriophage**-derived artificial chromosomes (BBPACs) in novel gene trapping protocols. Targeted gene trapping by homologous recombination, and random gene trapping with the use of a transposon system are exemplified. Included in the invention are methods of prep. a gene map from BBPAC contigs, the resulting gene maps, methods of

constructing a cDNA library from BBPAC contigs, and the resulting cDNA libraries.

		SINCE FILE ENTRY	TOTAL SESSION
=> file medline	COST IN U.S. DOLLARS	38.64	38.85
	FULL ESTIMATED COST		
	DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
	CA SUBSCRIBER PRICE	-2.48	-2.48

FILE 'MEDLINE' ENTERED AT 13:11:01 ON 10 APR 2003

FILE LAST UPDATED: 9 APR 2003 (20030409/UP). FILE COVERS 1958 TO DATE.

On June 9, 2002, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2003 vocabulary. See <http://www.nlm.nih.gov/mesh/summ2003.html> for a description on changes.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 11
L8      47036 VECTOR

=> s 12
        47036 VECTOR
        23244 PHAGE
        28177 BACTERIOPHAGE
        2680 M13
L9      2512 L1 AND (PHAGE OR BACTERIOPHAGE OR M13)

=> s 13
        47036 VECTOR
        23244 PHAGE
        28177 BACTERIOPHAGE
        2680 M13
        31181 CHIME?
        612296 GENE
        1474 CHIME?(4W)GENE
L10     10 L2 AND CHIME?(4W)GENE

=> s 14
        47036 VECTOR
        23244 PHAGE
        28177 BACTERIOPHAGE
        2680 M13
        31181 CHIME?
        612296 GENE
        1474 CHIME?(4W)GENE
        139471 FUS?
L11     4 L3 AND FUS?

=> s 15
        47036 VECTOR
        23244 PHAGE
        28177 BACTERIOPHAGE
        2680 M13
        31181 CHIME?
        612296 GENE
        1474 CHIME?(4W)GENE
```

139471 FUS?  
25874 EUKARYOTIC  
126278 MAMMAL?  
23770 SEC  
13 (EUKARYOTIC OR MAMMAL?) (5W) SEC  
L12 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC

=> s 16  
47036 VECTOR  
23244 PHAGE  
28177 BACTERIOPHAGE  
2680 M13  
31181 CHIME?  
612296 GENE  
1474 CHIME? (4W) GENE  
139471 FUS?  
25874 EUKARYOTIC  
126278 MAMMAL?  
1221526 SEC?  
1007 (EUKARYOTIC OR MAMMAL?) (5W) SEC?  
L13 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC?

=> s 17  
47036 VECTOR  
23244 PHAGE  
28177 BACTERIOPHAGE  
2680 M13  
31181 CHIME?  
612296 GENE  
1474 CHIME? (4W) GENE  
139471 FUS?  
25874 EUKARYOTIC  
126278 MAMMAL?  
1650439 CELL  
8001 (EUKARYOTIC OR MAMMAL?) (5W) CELL  
L14 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) CELL

=> s 18  
L15 47036 VECTOR

=> d 110 1-10 ti au so py

L10 ANSWER 1 OF 10 MEDLINE  
TI Cloning of variable region genes of anti-tetanus toxoid antibody and their expression as three kinds of engineered antibodies in *E. coli*.  
AU Zan H; Yeh M  
SO SHIH YEN SHENG WU HSUEH PAO [JOURNAL OF EXPERIMENTAL BIOLOGY], (1997 Sep) 30 (3) 285-92.  
Journal code: 0413570. ISSN: 0001-5334.  
PY 1997

L10 ANSWER 2 OF 10 MEDLINE  
TI Expression and immunogenicity of a liver stage malaria epitope presented as a foreign peptide on the surface of RNA-free MS2 bacteriophage capsids.  
AU Heal K G; Hill H R; Stockley P G; Hollingdale M R; Taylor-Robinson A W  
SO VACCINE, (1999 Sep) 18 (3-4) 251-8.  
Journal code: 8406899. ISSN: 0264-410X.  
PY 1999

L10 ANSWER 3 OF 10 MEDLINE  
TI Overexpression and purification of avian ovomucoid third domains in *Escherichia coli*.  
AU Hinck A P; Walkenhorst W F; Westler W M; Choe S; Markley J L  
SO PROTEIN ENGINEERING, (1993 Feb) 6 (2) 221-7.

JOURNAL CODE: 8801484. ISSN: 0269-2139.  
PY 1993

L10 ANSWER 4 OF 10 MEDLINE  
TI Selection and characterization of randomly produced mutants of gene V  
protein of bacteriophage M13.  
AU Stassen A P; Zaman G J; van Deursen J M; Schoenmakers J G; Konings R N  
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1992 Mar 15) 204 (3) 1003-4.  
Journal code: 0107600. ISSN: 0014-2956.  
PY 1992

L10 ANSWER 5 OF 10 MEDLINE  
TI Efficient production of biologically active human prolactin in Escherichia  
coli.  
AU Hiraoka Y; Nomata Y; Matsuo K; Tsubota N; Tanabe K; Fukasawa T  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1991 Oct) 81 (1-3) 147-54.  
Journal code: 7500844. ISSN: 0303-7207.  
PY 1991

L10 ANSWER 6 OF 10 MEDLINE  
TI Use of a cell-free system to identify the vaccinia virus L1R gene product  
as the major late myristylated virion protein M25.  
AU Franke C A; Wilson E M; Hruby D E  
SO JOURNAL OF VIROLOGY, (1990 Dec) 64 (12) 5988-96.  
Journal code: 0113724. ISSN: 0022-538X.  
PY 1990

L10 ANSWER 7 OF 10 MEDLINE  
TI Production of chimeric protein coded by the fused viral H-ras and human  
N-ras genes in Escherichia coli.  
AU Matsui T; Hirano M; Naoe T; Yamada K; Kurosawa Y  
SO GENE, (1987) 52 (2-3) 215-23.  
Journal code: 7706761. ISSN: 0378-1119.  
PY 1987

L10 ANSWER 8 OF 10 MEDLINE  
TI Isolation and characterization of the sucrose 6-phosphate hydrolase gene  
from Streptococcus mutans.  
AU Hayakawa M; Aoki H; Kuramitsu H K  
SO INFECTION AND IMMUNITY, (1986 Sep) 53 (3) 582-6.  
Journal code: 0246127. ISSN: 0019-9567.  
PY 1986

L10 ANSWER 9 OF 10 MEDLINE  
TI High-level expression of the bovine growth hormone gene in heterologous  
mammalian cells.  
AU Ramabhadran T V; Reitz B A; Shah D M  
SO GENE, (1985) 38 (1-3) 111-8.  
Journal code: 7706761. ISSN: 0378-1119.  
PY 1985

L10 ANSWER 10 OF 10 MEDLINE  
TI A thermoinducible lambda phage-ColE1 plasmid chimera  
for the overproduction of gene products from cloned DNA  
segments.  
AU Rao R N; Rogers S G  
SO GENE, (1978 May) 3 (3) 247-63.  
Journal code: 7706761. ISSN: 0378-1119.  
PY 1978

=> file biosis  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
1.26	40.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.48

FILE 'BIOSIS' ENTERED AT 13:12:12 ON 10 APR 2003  
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FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 9 April 2003 (20030409/ED)

=> s 11  
L16 109989 VECTOR

=> s 12  
109989 VECTOR  
43753 PHAGE  
16326 BACTERIOPHAGE  
2681 M13  
L17 3357 L1 AND (PHAGE OR BACTERIOPHAGE OR M13)

=> s 13  
109989 VECTOR  
43753 PHAGE  
16326 BACTERIOPHAGE  
2681 M13  
30414 CHIME?  
787600 GENE  
2212 CHIME? (4W) GENE  
L18 9 L2 AND CHIME? (4W) GENE

=> s 14  
109989 VECTOR  
43753 PHAGE  
16326 BACTERIOPHAGE  
2681 M13  
30414 CHIME?  
787600 GENE  
2212 CHIME? (4W) GENE  
159681 FUS?  
L19 5 L3 AND FUS?

=> s 15  
109989 VECTOR  
43753 PHAGE  
16326 BACTERIOPHAGE  
2681 M13  
30414 CHIME?  
787600 GENE  
2212 CHIME? (4W) GENE  
159681 FUS?  
26669 EUKARYOTIC  
3910860 MAMMAL?  
18653 SEC  
13 (EUKARYOTIC OR MAMMAL?) (5W) SEC  
L20 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC

=>

=> d his